

## **VEHICLE OCCUPANT SENSING SYSTEM HAVING A LOW PROFILE SENSOR ASSEMBLY**

### **ABSTRACT OF THE DISCLOSURE**

A low profile sensor assembly for use in a vehicle occupant sensing system that comprises a base, an upper slide member, and at least one intermediate guide member. Also disclosed is a low profile sensor assembly for use in a vehicle occupant sensing system that comprises a base with an outer step and a receptacle, and the low profile sensor assembly also comprises an upper slide member with a lower flange and a retainer. The outer step is adapted to accept the lower flange, and the receptacle is adapted to accept the retainer. The intermediate guide member, the outer step, and the receptacle each allow the respective upper slide member to move further toward the base. Thus, when the low profile sensor assembly is incorporated into a vehicle seat assembly, the low profile sensor assembly is less likely to detrimentally affect the comfort level of the vehicle seat assembly.